

**Public Notice**  
**PERMIT APPLICATION: NRS #07.005**

**APPLICANT:** TDOT

505 Deaderick Street  
Suite 900 James K Polk Bldg.  
Nashville, TN 37243-0339  
(615) 253-2477

**LOCATION:** Long Branch Road, Bridge and Approaches over Long Branch, LM 3.16  
Site Lat. 35.1671° Long. -87.42387°  
Lawrence County

**WATERSHED DESCRIPTION:** This project is located in the Tennessee-Pickwick Watershed, HUC 06030005. Land use surrounding the project areas is rural residential and agricultural. Two streams; Long Branch and an unnamed tributary to Long Branch, are to be impacted by this road project. Long Branch, a tributary to Shoal Creek, has been assessed as fully supporting its designated uses. **USGS TOPO QUAD:** Long Branch TN (52-NW)

**PROJECT DESCRIPTION:** The existing 22ft wide single span bridge over Long Branch, Stream 1, Station 13+20.73, Lat. 35.1671 Long. -87.42387 is to be removed. The replacement bridge is to be a 55ft, single span bridge with 90ft of riprap around each wing wall on the left descending bank. Additionally, 140ft of riprap is proposed as bank stabilization on the right descending bank upstream of the bridge. Long Branch flows from the east on bedrock and is approximately 15ft wide with depth of bank approximately 4ft. Downstream of the bridge, the stream is bordered on the right by a limestone bluff and on the left with wooded canopy.

Stream 2, unnamed tributary to Long Branch, Station 12+90Lt to Station 13+80Lt, Lat. 35.1673, Long. -87.4237 is a first order stream on the west side of the road originating from a spring. The stream flows south approximately 100ft on soil, bedrock and cobble substrate under shrub canopy. The existing channel is trapezoidal in shape, approximately 8ft wide at the bottom, 1-2ft deep. Proposed is a complete encapsulation of the stream into a French drain and a storm water outfall at Station 13+80 Lt. Proposed as mitigation is the payment of \$20,000 to the Tennessee Stream Mitigation Program for 100ft of stream encapsulation.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will result in degradation. Tier evaluations were conducted on Long Branch and the unnamed tributary demonstrating that the streams were not Exceptional Tennessee Waters.

**PERMIT COORDINATOR:** Judy Manners

No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons

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wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced.

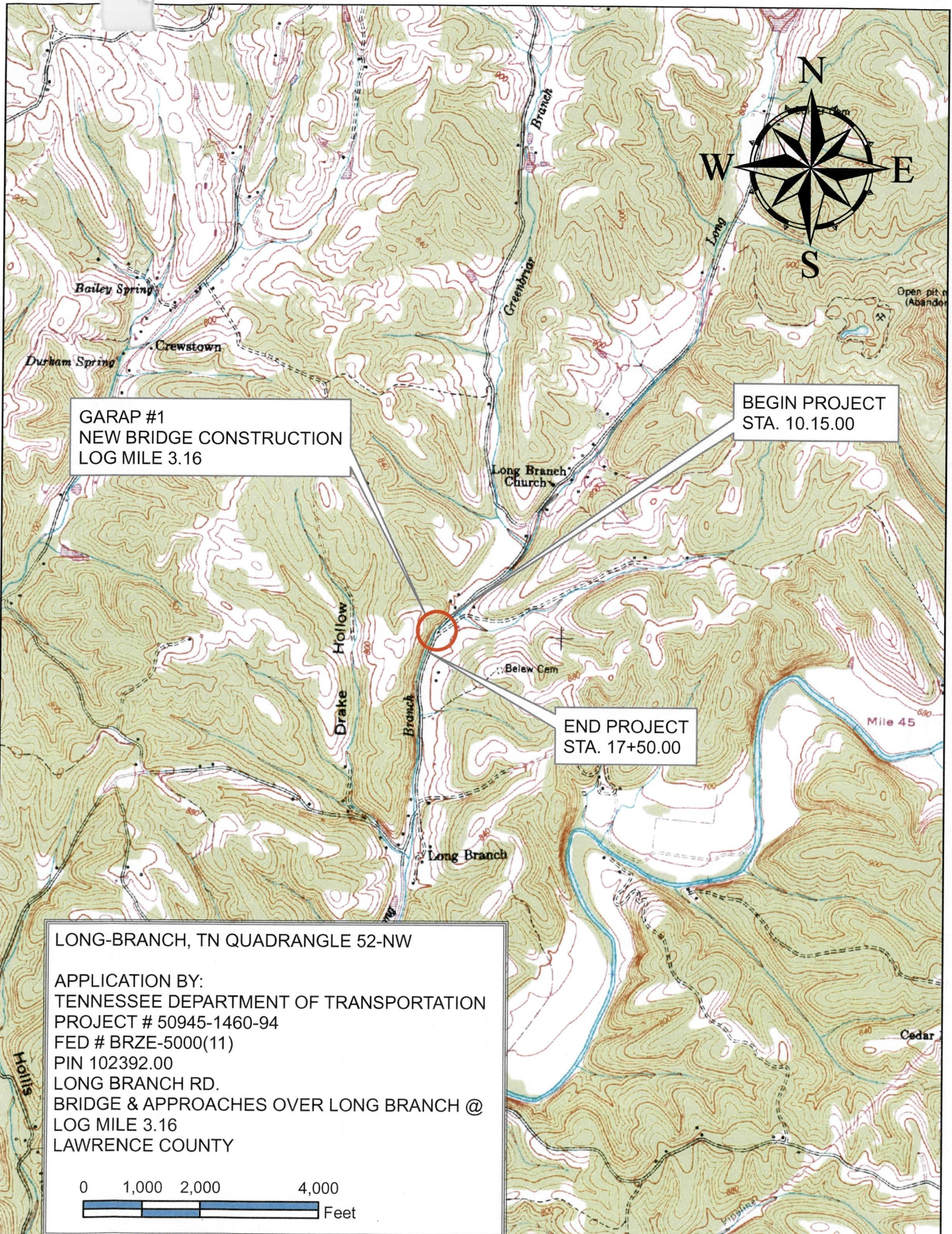
Interested persons may also request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing.

The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

Tennessee Department of Environment & Conservation  
Division of Water Pollution Control, Natural Resources Section  
7th Floor L & C Annex  
401 Church Street  
Nashville, TN 37243

In deciding whether to issue or deny a permit, the department will consider all comments on record and the requirements of applicable federal and state laws.

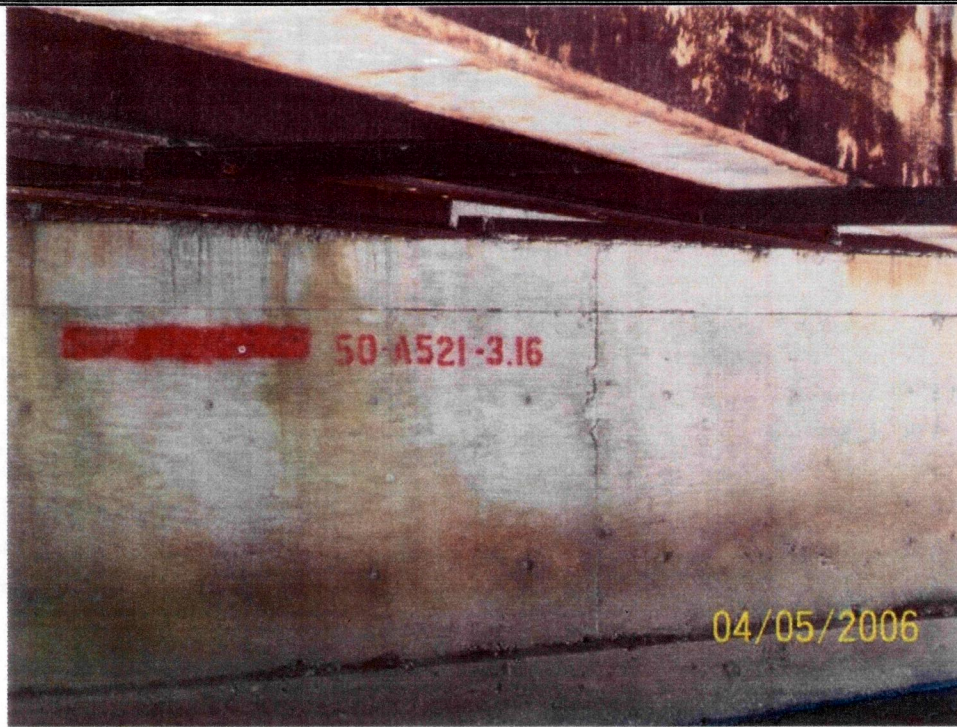






Lawrence County, Bridge Replacement, Long Branch Rd., Bridge over Long Branch @ 3.16  
TDOT P.E. No. 50945-1460-94  
TDOT PIN No. 102392.00

April 14, 2006  
MACTEC Project No. 3079-06-0025



**Photograph 1:** Lawrence Co., Long Branch Rd., bridge over Long Branch @ 3.16; April 5, 2006.



**Photograph 2:** Lawrence Co., View from south side of bridge facing north; April 5, 2006.





**Photograph 3:** Lawrence Co., View from north side of bridge facing south; April 5, 2006.



**Photograph 4:** Lawrence Co., STR-1 facing upstream from bridge; April 5, 2006.





**Photograph 5:** Lawrence Co., STR-1 facing downstream from bridge; April 5, 2006.



**Photograph 6:** Lawrence Co., STR-1 facing upstream from under bridge; April 5, 2006.





**Photograph 7:** Lawrence Co., STR-1 facing downstream from under bridge; April 5, 2006.



**Photograph 8:** Lawrence Co., STR-1 facing upstream from downstream of bridge; April 5, 2006.



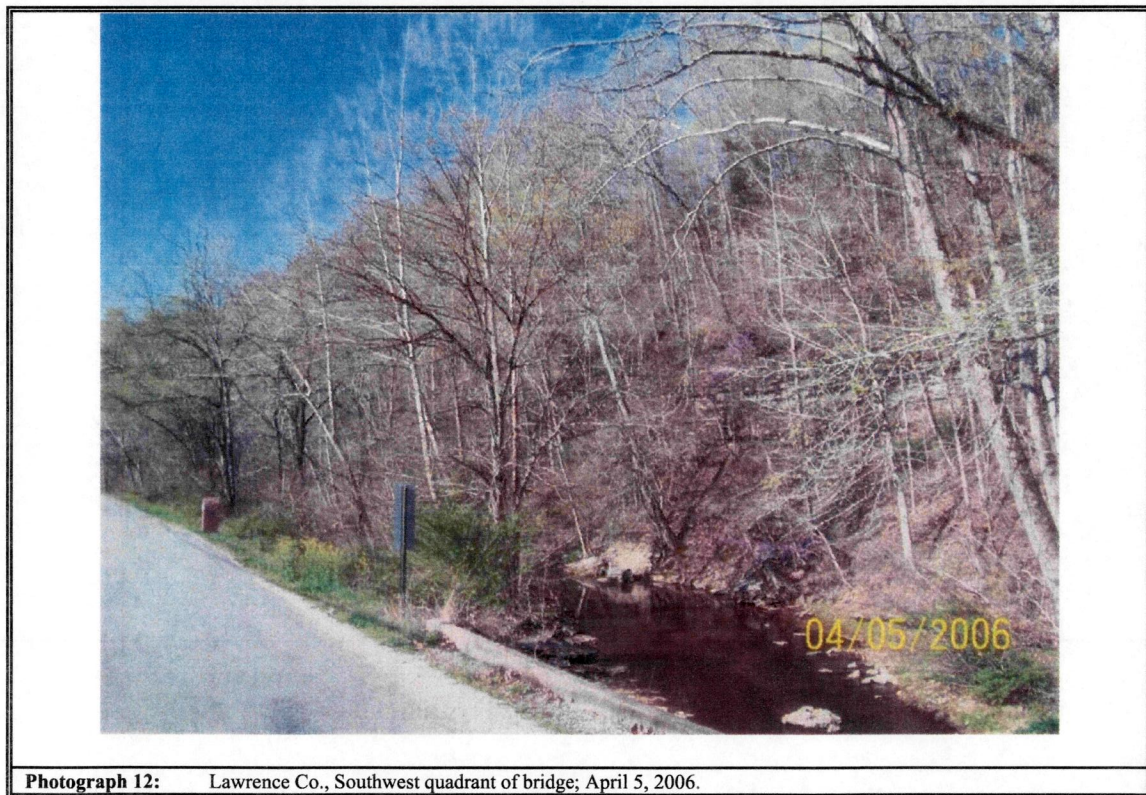
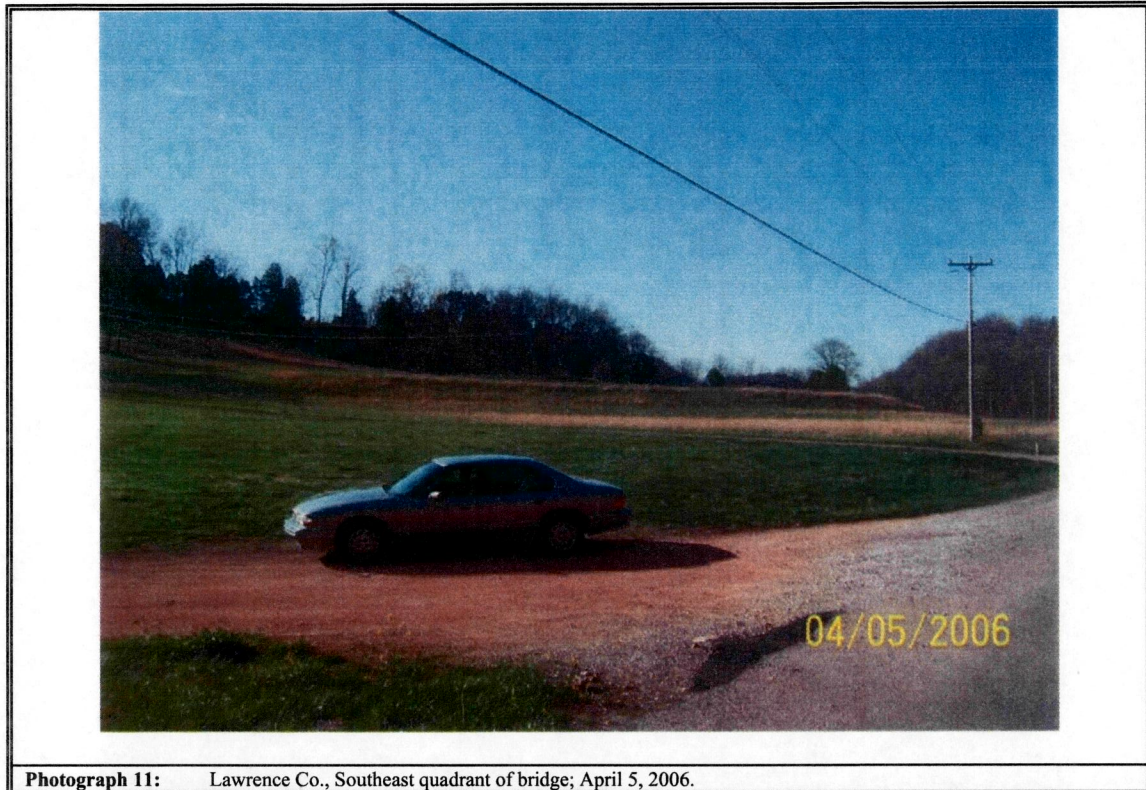


**Photograph 9:** Lawrence Co., STR-1 facing downstream from upstream of bridge; April 5, 2006.



**Photograph 10:** Lawrence Co., Northeast quadrant of bridge; April 5, 2006.

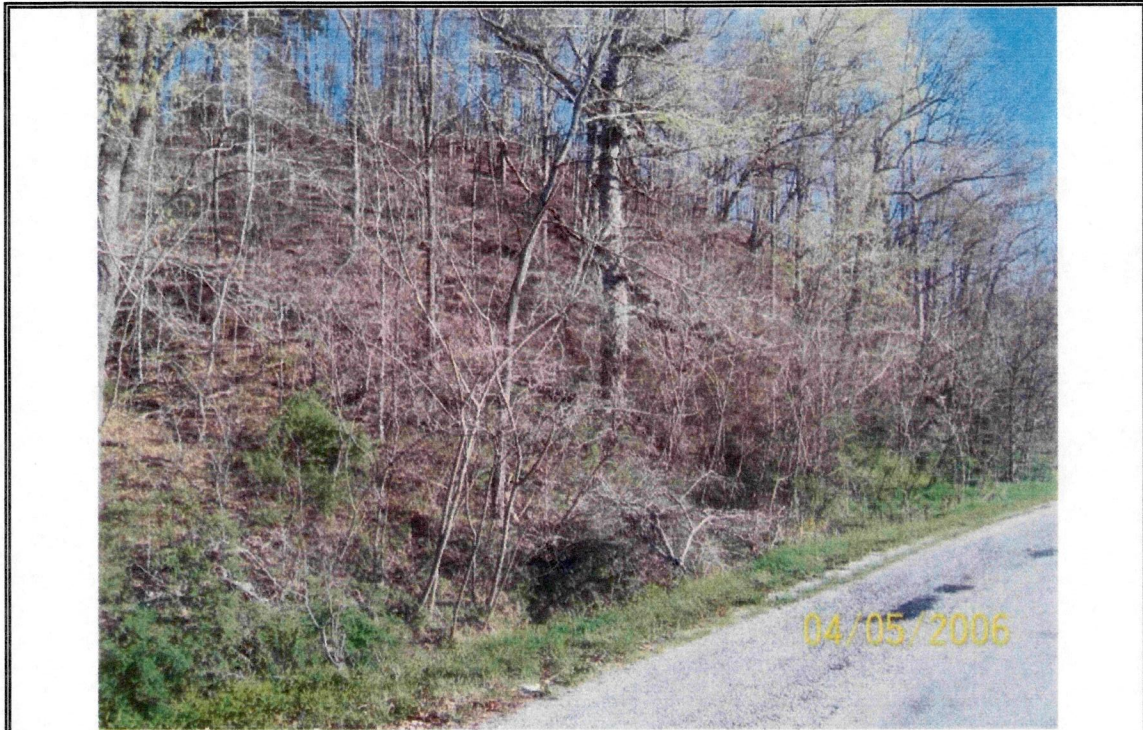






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**Photograph 13:** Lawrence Co., Northwest quadrant of bridge; April 5, 2006.



# STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF PLANNING AND DEVELOPMENT

## LAWRENCE COUNTY

LONG BRANCH ROAD  
BRIDGE AND APPROACHES  
OVER LONG BRANCH @ L.M. 3.16

### CONSTRUCTION

STATE HIGHWAY NO. N/A F.A.H.S. NO. N/A



*Plans New 2005*

TENN.	YEAR	SHEET NO.
	2007	1
FED. AID PROJ. NO.	BRZE-5000(11)	
STATE PROJ. NO.	50945-3460-94	



PROJECT NO. BRZE-5000(11)

NO EXCLUSIONS  
NO EQUATIONS

END PROJECT NO. BRZE-5000(11) CONST.  
STATE PROJECT NO. 50945-3460-94  
STA 17+50.00  
N 306857.5446  
E 1543249.8682  
BEG. PROJECT NO. BRZE-5000(11) CONST.  
STATE PROJECT NO. 50945-3460-94  
STA 10+15.00  
N 306317.3069  
E 1542857.7822



APPROVED: *Paul D. Dwyer*



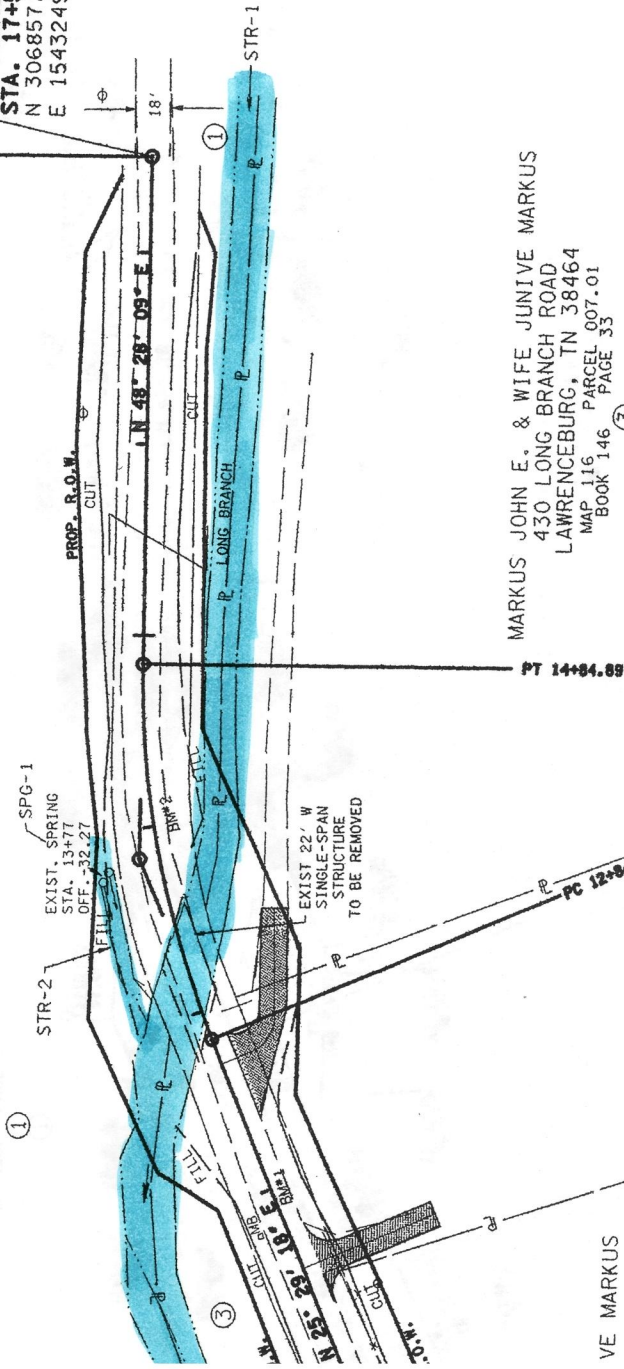
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2006	BRZE-5000(11)	4
CONST.	2007	BRZE-5000(11)	4

15+00

MARKUS TIMOTHY C. & WIFE RHONDA MARKUS  
614 WEST POINT ROAD  
LAWRENCEBURG, TN 38464  
MAP 116 PARCEL 007.00  
BOOK RB52 PAGE 686

MAP 116 PARCEL 007.00  
BOOK RB52 PAGE 686

END PROJECT BRZE-5000(11) CONST.  
STA. 17+50.00  
N 306857.5446  
E 1543249.8682



MARKUS JOHN E. & WIFE JUNIVIE MARKUS  
430 LONG BRANCH ROAD  
LAWRENCEBURG, TN 38464  
MAP 116 PARCEL 007.01  
BOOK 146 PAGE 33

EGLY TIMOTHY & WIFE LORI SISK EGLY  
420 LONG BRANCH ROAD  
LAWRENCEBURG, TN 38464  
MAP 116 PARCEL 007.05

CURVE CURVE1  
PT 13+85.99  
N 306,651.3030



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2006	BRZE-5000(11)	4B
CONST.	2007	BRZE-5000(11)	4B

REV. 8/21/06: REVISED LIMIT OF CONSTRUCTION FOR PRIVATE DRIVE @ STA. 11+55.22 & STA. 12+70.40

15+00

END BRIDGE BRZE-5000(11) CONST.  
STA. 13+48.23  
N 306615.0536  
E 1543004.1975

END PROJECT BRZE-5000(11) CONST.  
STA. 17+50.00  
N 306857.5446  
E 1543249.8682

25' TRANSITION TO EXISTING

PROP. 18-INCH CONC. PIPE CULV IN ELEV. = 688.15'

CLASS "A-1" RIP RAP SPO-1

PROPOSED FRENCH DRAIN

SPECIAL V-DITCH

STR-2

STR-1

IN 48' 28' 09" E.I.

CLASS "B" RIP RAP

PROP. 18-INCH CONC. PIPE CULV OUT ELEV. = 687.85'

LIMIT OF CONST. 0+97.00

TYPE 21

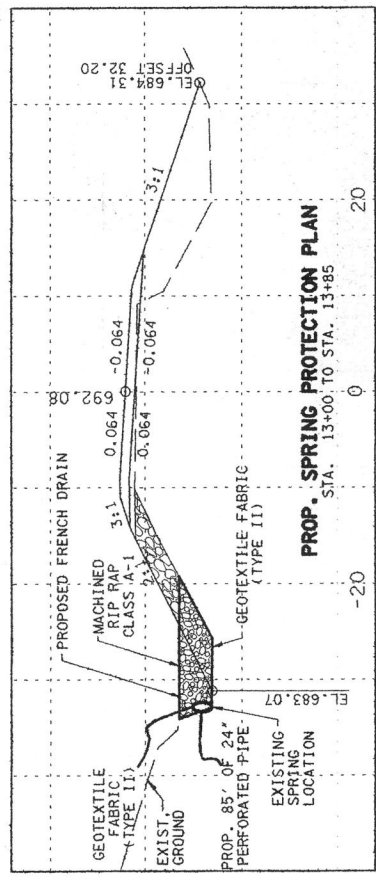
CLASS "B" RIP-RAP

PROP. 18-INCH CONC. PIPE CULV IN, ELEV. = 687.86'

STA. 11+55.22  
14' PVT. DR.  
24' OF 18" S.D. REOD.

PT 14+84.89

**CURVE CURVE1**  
PI 13+85.99  
N 306,681.3030  
E 1,543,047.0066  
A 22° 58' 51" (RT)  
D 11' 27' 33"  
R 500.00  
L 200.55  
T 101.64  
SE 0.064 FT/FT  
DESIGN SPEED 30 MPH  
TRANS. LENGTH 115



PROP. SPRING PROTECTION PLAN  
STA. 13+00 TO STA. 13+85

